

IN THE CLAIMS:

Please amend the claims as follows:

What is claimed is:

1. (Currently amended) An isolated and purified biologically active heparan sulfate 3-O-sulfotransferase 5 polypeptide having [[an]] the amino acid sequence set forth in SEQ ID NO 2.
 2. (Currently amended) The isolated and purified biologically active heparan sulfate 3-O-sulfotransferase 5 polypeptide of claim 1, wherein the polypeptide comprises [[a]] the polypeptide encoded by [[a]] the nucleic acid sequence as set forth in SEQ ID NO 1.
 3. (Currently amended) The polypeptide of claim 1, wherein the polypeptide is [[a]] the human heparan sulfate 3-O-sulfotransferase 5 polypeptide.
 4. (Previously presented) The polypeptide of claim 1, wherein the polypeptide is modified to be in detectably labeled form.
- 5-60. (Canceled)